

EAST SEARCH

7/3/2008

L#	Hits	Search String	Databases
S1	170	(wire near2 (padding or harness)) with ((outside or outer) near2 diameter)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S2	4	S1 and (bundle or bundled or bundling or pack or packed or packing) with (plurality)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S3	68	S1 and (bundle or bundled or bundling or pack or packed or packing) with wire)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S4	18	S1 and (circular near2 shape)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S5	10	S1 and ((overlap or overlapped or overlapping) with wire)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S6	5	S1 and ((include or included or including) with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S7	7	S1 and ((plurality or several) with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S8	23	S1 and ((cross sectional) near2 shape)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S9	4	S1 and (target near2 circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S10	5	S1 and ((protrude or protruded or protruding) with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S11	8	S1 and ((insert or inserted or inserting or insertion) with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S17	5	S1 and (voronoi)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S12	3	S1 and ((overlap or overlapped or overlapping) with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S13	3	S1 and (layout with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S14	31	S1 and (wire near2 shape)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S15	10	S1 and (diameter with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S16	5	S1 and (voronoi near2 diagram)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S18	2	S1 and (boundary with edge with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S19	4	S1 and (boundary with edge)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S20	2	S1 and (boundary with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S21	2	S1 and (edge with circle)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S22	88	S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S23	10	S2 and S5	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S25	5	S22 and S10	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S27	3	S22 and S13	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S24	4	S22 and S9	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S28	5	S22 and S16	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S26	8	S22 and S11	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB
S29	4	(wire near2 (padding or harness)) same (voronoi near2 diagram)	US-PGPR, USPAT, USOCR, FPRS, EPO, JPO, DERWENT, IBM, TDB

EAST SEARCH

7/3/2008

Results of search set L10 value change dump

Document	Document Title	Source	Issue Date	Current OR	Abstract
US 2007/225446 A1	Sealing material		2007/0927	16 525323.7	
US 2007/221446 A1	Sealing material		2007/0927	16 184106	
US 2007/186635 A1	The information communication device		2007/0816	18 73146	
US 2007/110914 A1	Wire harness arranging-purpose wire holding member and wire harness arranging-r		2007/0517	25 427434.6	
US 2006/286236 A1	Joint member and joint connector for wire harness		2006/1221	62 439367	
US 2006/155074 A1	Sealing material		2006/0713	17 525323.7	
US 2006/141825 A1	Estimating method and apparatus and estimating program of wire harness and recor		2006/0629	21 49376.2	
US 2006/096372 A1	Method of calculating a wire packing diameter, apparatus therefor, and program the		2006/0511	17 73432.1	
US 2006/081029 A1	Crimp state estimation apparatus for crimp contact terminal and quality determinat		2006/0420	26 7217.3	
US 2006/021785 A1	Cable and cable identifying method		2006/0202	26 174112	
US 2005/197810 A1	Calculation method for packing wire materials, calculation apparatus using the same		2005/0908	32 7036	
US 2005/105050 A1	Calculation method for packing a plurality of wires and calculation apparatus using t		2005/0714	27 174128.1	
US 2005/106903 A1	Joint member and joint connector for wire harness		2005/0519	66 439367	
US 2005/061531 A1	Grommet and grommet-mounting structure		2005/0324	34 174659	
US 2004/222207 A1	Grommet, water-stop structure of wire harness and method of producing wire harn		2004/1111	13 174650	
US 2004/221634 A1	Crimp state estimation apparatus for crimp contact terminal and quality determinat		2004/1111	26 7217.3	
US 2004/0139631 A1	Snow removal machine		2004/0722	19 37242	
US 2003/222183 A1	Device for fusing wire harness		2003/1204	10 24849	
US 2003/0217860 A1	Wire harness for removing from a vehicle		2003/1217	17 17472A	
US 2003/0217597 A1	Wire harness for removing from a vehicle		2003/1106	17 43934	
US 2003/0184119 A1	Power supply apparatus for slide door in motor vehicle		2003/0102	22 29615	
US 2003/0081171 A1	Grommet		2003/0529	8 174663	
US 2003/003226 A1	Wire harness arranging-purpose wire holding member and wire harness arranging-r		2003/0213	26 269329	

US 2003014824 A1	Grommet	20030123	7 521
US 20030006529 A1	Method of manufacturing waterproof wire harness	20030109	12 264/136
US 20020195267 A1	Method of waterproofing wire harness	20021226	12 174/1503
US 20020185297 A1	Construction for preventing water from penetrating between electric wires inserted in	20021212	10 174/650
US 20020129962 A1	Harness slack absorbing apparatus	20020919	13 174/724
US 20020005014 A1	Power supply apparatus for slide door in motor vehicle	20020117	22 49/360
US 20010522023 A1	Power supply structure in sliding structure	20011220	29 49/902
US 20010044984 A1	Grommet	20011129	15 162/5
US 710290 B2	Grommet, water-stop structure of wire harness and method of producing wire harness	20069005	12 174/650
US 708261 B2	Crimp state estimation apparatus for crimp contact terminal and quality determinator	20069008	25 72/173
US 7038226 B2	Crimp state estimation apparatus for crimp contact terminal and quality determinator	20065002	25 29/963
US 6973340 B2	Grommet and grommet-mounting structure	20051220	33 174/667
US 6941714 B2	Grommet	20050913	7 52/395
US 690464 B2	Method of manufacturing waterproof wire harness	20050510	11 264/134
US 683449 B2	Snow removal machine	20041228	19 37/223
US 6802225 B2	Device for fixing wire harness	20041214	10 248/49
US 6811424 B2	Power supply apparatus for slide door in motor vehicle	20041102	21 439/34
US 6727432 B2	Grommet	20040427	9 174/663
US 6703866 B2	Grommet	20040323	14 162/5
US 6696646 B2	Construction for preventing water from penetrating between electric wires inserted in	20040224	9 174/650
US 6624361 B2	Method of waterproofing wire harness	20030923	12 174/1503
US 6610329 B1	Wire harness for removing from a vehicle	20030826	16 174/724
US 6603076 B2	Power supply structure in sliding structure	20030805	29 174/724
US 6575760 B2	Power supply apparatus for slide door in motor vehicle	20030610	21 439/34
US 6570393 B2	Harness slack absorbing apparatus	20030527	13 174/724
US 642544 B1	Electrical equipment module	20020806	24 307/10.1
US 6330746 B1	Method of determining the length of electric wires for use in constructing a wire harness	20011218	20 28/972
US 6240597 B1	Grommet having a resilient flange	20010605	19 162/1
US 6231369 B1	Bolted type connector	20010515	16 439/364
US 6211464 B1	Grommet having resilient flange for mounting on a panel	20010403	20 174/659
US 6051789 A	Corrugated tube and wire harness having the tube as a cover	2000418	9 174/693
US 6011776 A	Adhesive-dispensing fastener	20001125	17 411/82
US 6010134 A	Sealed grommet for wire harnesses having a split cylindrical core member with a cor	20001004	8 277/615
US 5940362 A	Wire harness bundling method	19990824	15 29/325
US 5428647 A	Stud bolt clip	19950613	10 411/43
US 5216225 A	Wire conductor for harness	19930601	6 174/128
US 5122741 A	Holding members for sensor and wiring members of magnetic rotary encoder	19920616	12 324/207 13
US 4969497 A	Strand for reinforcing objects made of polymer material	19901113	7 152/451
US 4862327 A	Double-ended termination and routing arrangement for an automated wiring system	19890905	13 140/92.1
US 4819831 A	Strand for application as reinforcement in objects of polymer material as well as one	19890404	6 429/605
JP 200205506 A	WIRE ROD PACKING CALCULATION METHOD, DEVICE FOR THE SAME, AND F	20020502	23
JP 200146254 A	MANUFACTURING METHOD AND WATER CUT-OFF METHOD OF WIRE HARNE	20010520	
JP 200127917 A	WIRE PACKING CALCULATION METHOD, DEVICE FOR THE SAME, AND PROG	20010422	17
JP 200046254 A	CABLE HOLDING MEMBER FOR WATERPROOFING TREATMENT OF WIRE HAR	20003214	5
JP 200016959 A	MANUFACTURING METHOD OF WATERPROOF WIRE HARNESS	20003117	
JP 200067452 A	MANUFACTURING METHOD FOR WATERPROOF WIRE HARNESS	20021220	
JP 200215136 A	HEAT RESISTING PROTECTIVE STRUCTURE FOR WIRE HARNESS	20021025	
JP 200201550 A	MOUNTING STRUCTURE OF GROMMET AND GROMMET	20020914	
JP 1128496 A	FOLDING SHRINKABLE TUBE	19990927	
JP 1126944 A	STRUCTURE OF INSTALLING CORRUGATED TUBE ON WIRE HARNESS BRAN	19990730	
JP 08155419 A	WIRE HARNESS WITH ELECTRIC EQUIPMENT	19960611	
JP 0806996 A	JIG AND METHOD FOR PUTTING EXTERNAL SHEET AROUND WIRE HARNESS	19960112	
JP 0724559 A	WIRE BUNDLING TOOL, FOR WIRE HARNESS AND METHOD FOR BUNDLING	19950919	
JP 0716034 A	METHOD OF MOUNTING GROMMET FOR WIRE HARNESS	19950623	
JP 07141919 A	STRUCTURE AND METHOD FOR WATERPROOFING WIRE HARNESS	19950602	
JP 0627661 A	WATERPROOFING STRUCTURE FOR WIRE HARNESS	19940930	6
WO 200013779 A2	METHOD OF CALCULATING A WIRE PACKING APPARATUS THEREFOR, AND	20004212	50
WO 200013779 A	Wire packing outer diameter calculating method, involves inserting insertion trial drc	20004212	17
JP 2004014276 A	Water proof processing method of wire harness in motor vehicle, bundles and comp	20040115	
KR 2004003740 A	Apparatus for controlling coiling shape of wire rod coil	20040113	
US 20030006529 A	Manufacture of waterproof wire harness for use in electric wiring for vehicle by previc	20030109	
JP 2002011534 A	Wire harness for motor vehicle, has grommet installed around outer circumferential s	20021107	4
JP 2002089664 A	Packing material for wire harness in motor vehicle, is a tube whose outer diameter is	20020929	
JP 200201550 A	Grommet mounting structure for motor vehicle has bundled portion whose periphery	20020914	
US 3013742 A	Wire packaging machine and method	19611219	242361.3